ThinkCentre® M90p Eco Ultra Small (3257) - TopSeller (Windows 7)

Type-model	Slot x bay	Processor	Base GHz	Max Turbo GHz	Cores	Memory[8]	SATA disk	SATA optical	Integrated graphics	Monitor conn	ENERGY STAR 5.0	Intel vPro	Win7 preload	Global Educ	Avail date
3257-A5U	1x2	Core i5-650	3.20	3.46	2	*3GB*	500GB[2]	DVD±RW	Intel HD	VGA, DP	ES50	vPro	Pro 32	None	Mar 10
☞ 3257-A9U	1x2	Core i5-650	3.20	3.46	2	*3GB*	500GB	DVD±RW	Intel HD	VGA, DP	ES50	vPro	Pro 64	None	Dec 10

- ***Next generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology***
- ***Most manageable ThinkCentre ever: supports Lenovo Secure Managed Client version 2.0****
- ***These small and medium business (SMB) models are part of the US TopSeller™ Program***
- ***These models have a 3-year limited warranty[1]***
- ***These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)***

* For more information on Lenovo Secure Managed Client, see **lenovo.com/acc**

Positioning	*Ultimate security, stability, and manageability for the enterprise*
Processor	**Intel® Core™ i5 Processor i5-650** with **dual-core**, Intel 64, Hyper-Threading Technology, Turbo Boost Technology, Virtualization Technology, TXT, integrated 1333MHz dual-channel DDR3 memory controller, and 4MB cache
Implementation	Processor in LGA1156 socket
Memory	**3GB std**, 8GB max, **PC3-10600 1333MHz DDR3**, two 204-pin SODIMM sockets (notebook); *Italics:* standard memory in both sockets; no sockets available
Graphics	**Intel HD Graphics** in processor, HDCP, DirectX® 10, uses main memory (up to 1277MB), one analog VGA DB-15 connector, one DisplayPort™ connector, supports dual independent display
DP dongle	None
SATA disk	**500GB**, SATA 3.0Gb/s 7200 rpm
SATA DVD±RW	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive
SATA Controller	Serial ATA, SATA 3.0Gb/s, integrated in chipset, RAID 0/1, two SATA connectors for disk and optical
eSATA port	None
Diskette drive	None
Media reader	None
Chipset	**Intel Q57 Express Chipset**, Platform Controller Hub [PCH] (SATA 3.0Gb/s with RAID 0/1 support, PCI, ethernet, and USB), SMSC® SCH5147 Super I/O
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)
Rear ports	Six USB 2.0, ethernet (RJ-45), monitor (VGA DB-15, DisplayPort)
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)
Audio	High Definition (HD) Audio, Realtek® ALC662 codec
Speaker	Internal speaker for business audio
Ethernet	One gigabit ethernet port, Intel 82578DM, Wake on LAN®
Intel AMT	Intel Active Management Technology 6.0 (Intel AMT 6.0)
Modem	None
Security chip	STMicroelectronics ST19NP18 Trusted Platform Module (TPM), TCG 1.2-compliant
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo
Mouse	Optical Wheel Mouse (USB connector), black, Lenovo logo
Power supply	External AC/DC adapter, 130 watts, autosensing, 87% PSU

Eco Ultra Small

Bay ① 5.25", 1.6" high, access, std optical
Bay ② 3.5", 1" high, no access, std disk

Slot 1: Low Profile, 32-bit PCI 2.3

- Business black color; metal case
- 11.0" W X 9.4" D X 3.1" H
- 279mm W X 238mm D X 79mm H
- 9.2 lb (4.2 kg) in maximum configuration
- Hinged toolless cover for easy serviceability
- Toolless disk and optical drive removal
- System floor stand for vertical orientation

Security

- Security chip (see information on left)
- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)
- Power-on password
- Hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- Individual USB port disablement

Environmental Features

- EPEAT™ Gold rating
- ENERGY STAR® 5.0-compliant
- GREENGUARD® certified
- RoHS-compliant

Supports ThinkVantage® technologies

Preloaded operating system[20]

- *Some:* Genuine Windows® 7 Professional 32
- *Some:* Genuine Windows 7 Professional 64

Preloaded applications[5] (all OSes; only some listed)

- Rescue and Recovery™
- Password Manager
- ThinkVantage System Update
- ThinkVantage Power Manager
- ThinkVantage Toolbox
- Norton™ Internet Security 2011 (30 days of virus definitions)
- Adobe® Reader®
- Adobe Flash® Player
- Skype™ for Windows
- Microsoft Office 2010 preloaded; purchase product key to activate
- Corel® Burn.Now™ (DVD±RW)
- Corel DVD MovieFactory® (DVD±RW)

Accessories

500GB SATA 3.0Gb/s Disk (7200 rpm)	43R1990
1TB SATA 3.0Gb/s Disk (7200 rpm)	45J7918
Super Multi-Burner DL DVD±RW SATA Drive	41N5620
DisplayPort to Single-link DVI-D Cable	45J7915
DisplayPort to VGA Monitor Cable	57Y4393
Lenovo Vertical PC and Monitor Stand II	41R4474
ThinkCentre Ultra Small Under Desk Mount	40Y8625

More accessories on O-M90 sheet

Acc Guide in pdf **lenovo.com**/accessoriesguide
Other accessories at **lenovo.com**/accessories

Limited Warranty[1]

- ➪ **3-year parts and labor**
- ➪ **International Warranty Service**[9]
- ➪ **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[3]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- ➪ **Onsite service upgrade options (in eligible locations):**[7]
  - **3-year LOR 9x5, 4 hour response** (ThinkPlus™ part number 41C9192)
  - **3-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9193)
  - **4-year LOR 9x5, Next Business Day** (ThinkPlus part number 41C9194)
  - **4-year LOR 9x5, 4 hour response** (ThinkPlus part number 41C9195)
  - **4-year LOR 24x7, 4 hour response** (ThinkPlus part number 41C9196)
- ➪ **ThinkPlus services at lenovo.com**/thinkplus/warranty
- ➪ **Post warranty maintenance services available**
- ➪ **24 hour x 7 day**[14] **toll-free support during the warranty period**[1] **via 800-426-7378**

See footnotes for important warranty information

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☞ US model announced November 30, 2010; previous model on March 2, 2010